



U.S. Army Corps of Engineers
Detroit District Office
Phone: 313-226-2218, Fax: 313-226-6763
Website: www.lre.usace.army.mil

Michigan Department of Environmental Quality
Water Resources Division
Phone: 517-284-5567
Website: http://www.michigan.gov/deq/0,4561,7-135-3313_3687-292415--,00.html



Application for Wetland Restoration Permit

AGENCY USE	Previous USACE File Number	Date Received	DEQ File Number		
	USACE File Number		Fee received \$		

1 Applicant and Cooperating Agency/Agent Information

Owner/Applicant (individual or corporate name)			Cooperating Agency/Agent (firm name and contact person)		
Mailing Address			Mailing Address		
City	State	Zip Code	City	State	Zip Code
Contact Phone Number	Fax		Contact Phone Number	Fax	
E-mail			E-mail		
<input type="checkbox"/> No <input type="checkbox"/> Yes Is the applicant the sole owner of all property on which this project is to be constructed and all property involved or impacted by this project? ► If No, attach letter(s) of authorization from all property owners including the owner of the disposal site, if different.					
Property Owner's Name (if different from applicant)			Mailing Address		
Contact Phone Number			City	State	Zip Code

2 Project Location For Latitude, Longitude, and TRS info anywhere in Michigan see www.mcgi.state.mi.us/wetlands/

Street/Road			Village/City		
County	Township	Town	Range	Section(s)	Latitude N
					Longitude W

How can your site be identified if there is no visible address?

3 Project Description

Project Name	Name of Water Body
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Has the DEQ and/or United States Army Corps of Engineers (USACE) conducted a pre-application meeting or inspection for this project?
☐ No ☐ Yes
 If Yes, provide the date of pre-application meeting/inspection ____
 Pre-application File Number ____
 DEQ and/or USACE staff person involved in the pre-application meeting/inspection ____
 Has the project scope or design changed since the pre-application meeting/inspection ☐ No ☐ Yes
 If Yes, please explain what has changed.

The proposed activities will impact, involve or be within (check all that apply) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> a wetland <input type="checkbox"/> a stream or river <input type="checkbox"/> a private ditch <input type="checkbox"/> a County Drain legally established or constructed prior to January 1, 1973 <input type="checkbox"/> a County Drain legally established or constructed after January 1, 1973 <input type="checkbox"/> a pond greater than 1 acre in size <input type="checkbox"/> a pond less than 1 acre in size <input type="checkbox"/> 500 feet of an existing lake, stream or pond greater than 1 acre </div> <div style="width: 50%;"> <input type="checkbox"/> 1,000 feet of a Great Lake or Lake St. Clair <input type="checkbox"/> a 100-year floodplain (drainage area greater than 2 square miles) <input type="checkbox"/> an inland lake (waterbody greater than 5 acres in size) <input type="checkbox"/> drawdown of a lake <input type="checkbox"/> drawdown of a wetland <input type="checkbox"/> a Great Lake or Section 10 Waters </div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="height: 40px; vertical-align: top;"> Project Use/Ownership <input type="checkbox"/> private <input type="checkbox"/> mitigation bank/commercial <input type="checkbox"/> public/government </td> </tr> <tr> <td style="height: 40px; vertical-align: top;"> Restoration Program <input type="checkbox"/> Wetland Reserve Program - NRCS <input type="checkbox"/> Partners for Fish and Wildlife - USFWS <input type="checkbox"/> Conservation Reserve Program - FSA <input type="checkbox"/> Landowner Incentive Program - MDNR <input type="checkbox"/> No restoration program involved <input type="checkbox"/> other ____ </td> </tr> </table>	Project Use/Ownership <input type="checkbox"/> private <input type="checkbox"/> mitigation bank/commercial <input type="checkbox"/> public/government	Restoration Program <input type="checkbox"/> Wetland Reserve Program - NRCS <input type="checkbox"/> Partners for Fish and Wildlife - USFWS <input type="checkbox"/> Conservation Reserve Program - FSA <input type="checkbox"/> Landowner Incentive Program - MDNR <input type="checkbox"/> No restoration program involved <input type="checkbox"/> other ____
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4 Project Purpose and Alternatives Considered

Describe the purpose for the project and include a description of alternatives considered to avoid and minimize resource impacts. Attach additional sheets as necessary.

5 Project Description, Proposed Activities, Construction Sequence and Methods

Provide a written summary of all proposed activities including a description of construction sequence and methods.
Attach additional sheets as necessary.

Proposed Activities (check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> tile search | <input type="checkbox"/> shallow water areas for wildlife (e.g. pushouts) | <input type="checkbox"/> establishing microtopography |
| <input type="checkbox"/> tile breaks | <input type="checkbox"/> serpentine channel(s) | <input type="checkbox"/> borrow areas |
| <input type="checkbox"/> ditch plugs | <input type="checkbox"/> water control structure(s) | <input type="checkbox"/> other, please specify _____ |
| <input type="checkbox"/> dike or berm construction | <input type="checkbox"/> grading or mechanized land clearing | |

6 Easements and Encumbrances

- ☐ No ☐ Yes Is there a conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property?
▶ If Yes, describe the type of easement or encumbrance, provide the name and address of the easement holder, and attach a copy.

7 Past Construction Activities / Compliance

- ☐ No ☐ Yes Has any construction activity commenced or been completed in a regulated area?
▶ If Yes, identify the portion(s) underway or completed on drawings or attach project specifications and give completion date(s).
- ☐ No ☐ Yes Were the regulated activities conducted under a DEQ and/or USACE permit?
▶ If Yes, list the permit number(s).
- ☐ No ☐ Yes Are you aware of any unresolved violations of environmental law or litigation involving the property?
▶ If Yes, provide all relevant DEQ and/or USACE file numbers, a summary of the violation(s), and provide the current status of the case.

8 Type of Permit Being Applied For

Indicate the type of permit being applied for (check all that apply):

- ☐ **DEQ General Permit** Please see www.michigan.gov/documents/deq/General_Permits_Categories_360925_7.pdf GP(S) Wetland Habitat Restoration and Enhancement for a complete description of this category.
- ☐ **DEQ Minor Project** Please see http://www.michigan.gov/documents/deq/Minor_Project_Categories_360884_7.pdf MP 46 Wetland Habitat Restoration and Enhancement for a complete description of this category.
- ☐ **DEQ Individual Permit** (All other projects)
- ☐ **USACE Permit**

If a permit is issued, when will the activity begin? ☐ current construction season ☐ next construction season ☐ other _____

9 Adjoining Property Owners

For projects requiring an Individual Permit you must list below the name and current mailing address for the landowners of all parcels that border or touch the property on which the restoration is located. Attach additional sheets if necessary.

This information is not required for projects qualifying for a General Permit or a Minor Project.

List all adjacent property owners for projects requiring an Individual Permit.

	Property Owner's Name	Mailing Address	City	State	Zip Code
1					
2					
3					
4					
5					

10 Projects Impacting Wetlands, Inland Lakes, Streams, Floodplains, or Great Lakes

Water Level Elevation

- On inland waters ☐ Local Benchmark= _____ feet
☐ NGVD 29 ☐ NAVD 88 ☐ OTHER Observed water elevation _____ ft Date of observation _____
- On a Great Lake ☐ IGLD 85 ☐ surveyed ☐ converted from observed still water elevation

Complete all sections 10 A-F applicable to your project

☐ **10 A. PROJECTS REQUIRING FILL**

FILL OUT TABLE 10A BELOW AND PROVIDE ALL THE REQUESTED INFORMATION FOR EACH INDIVIDUAL AREA REQUIRING FILL (E.G., EACH BERM, EACH DITCH PLUG, ETC.)

Table 10A. Fill Activities in Wetlands, Inland Lakes, Streams, Floodplains, or Great Lakes

Dimensions of Fill Area(s)											
	Item/Activity (Ditch Plug #1, Berm #1, etc.)	Berm Top Width (ft) or b2	Max. length (ft)	Max. width (ft) (b1)	Max depth (ft)	Area impacted (acres)	Fill* volume (cu yds)	Fill will be placed in (check all that apply)			
								Wetland	stream	floodplain	other
1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Typical fill activities include berms, ditch plugs, and disposal areas. Disposing of excess material in regulated areas is generally not allowed.

* To calculate fill volume for berms and ditch plugs within wetlands and/or floodplains use formula (a).

a) Volume = [length x [(b1+b2)/2] x depth]/27 where b1=berm base width; b2=berm top width or ditch bottom width

To calculate fill volume for spoil disposal areas within wetland and/or floodplains use formula (b).

b) Volume = (length x width x depth)/27

☐ **B. PROJECTS REQUIRING DREDGING OR EXCAVATION**

FILL OUT TABLE 10B BELOW AND PROVIDE ALL THE REQUESTED INFORMATION FOR EACH INDIVIDUAL AREA BEING DREDGED OR EXCAVATED (E.G., EACH PUSHOUT, EACH BORROW AREA, ETC.)

Table 10B. Dredge Activities in Wetlands, Inland Lakes, Streams, Floodplains, or Great Lakes

Dimensions of Dredged Area(s)										
	Item/Activity (Pushout # 1, Borrow Area #1, etc.)	Max. length (ft)	Max. width (ft)	Avg. depth (ft)	Area impacted (acres)	Dredge** volume (cu yds)	Dredging or Excavation Activity will occur within (check all that apply)			
							Wetland	stream	floodplain	other
1							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Typical dredging/excavation activities include pushouts, serpentine channels, and borrow areas.

** To calculate dredging volume use the formula where Volume = (length x width x depth)/27

☐ **C. PROJECTS PROPOSING BERMS AND/OR IMPOUNDMENTS**

FILL OUT TABLE 10C BELOW AND PROVIDE ALL THE REQUESTED INFORMATION FOR EACH BERM AND RESULTING IMPOUNDMENT.

Table 10C. Berm and Impoundment

Specifications							
	Item /Activity (Berm #1/ Impoundment #1, etc.)	Impoundment size at design elevation (acres)	Berm top elevation (ft)	Impoundment flood elevation (ft) (Emergency Spillway)	Downstream berm toe elev. (ft)	Structural height (ft) (Berm top- Berm toe)	Normal Pool elev. (ft) (Primary Spillway)
1							
2							
3							
4							

Do you have flowage rights to all proposed flooded property at the design flood elevation?

☐ No ☐ Yes

► If No, provide a letter of authorization from all property owners affected.

<input type="checkbox"/> D. Projects Requiring Fences			
Purpose of Fence (Check all that apply)			
<input type="checkbox"/> vegetation re-establishment		<input type="checkbox"/> livestock exclusion	
		<input type="checkbox"/> security <input type="checkbox"/> other (please specify) _____	
Total length of fence placed through wetlands _____ feet		Length and width of area to be cleared for fence installation:	
Total length of fence placed in a floodplain _____ feet		Length _____ feet	
Will the proposed fence cross a stream? <input type="checkbox"/> No <input type="checkbox"/> Yes		Width _____ feet	
Fence Height: _____ feet		Fence type and material: _____	
<input type="checkbox"/> E. Drawdown of an Impoundment or Wetland			
Type of drawdown			
<input type="checkbox"/> over winter		<input type="checkbox"/> temporary	
<input type="checkbox"/> permanent (dam removal)		<input type="checkbox"/> one-time event	
		<input type="checkbox"/> reoccurring (non-annual)	
		<input type="checkbox"/> other _____	
Reason for Drawdown		<input type="checkbox"/> habitat management	
		<input type="checkbox"/> structure maintenance/repair	
		<input type="checkbox"/> other _____	
Has there been a previous drawdown? <input type="checkbox"/> No <input type="checkbox"/> Yes			Previous DEQ permit number, if known
▶ If Yes, Provide date _____			
Does water body have established legal lake level? <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not Sure			Dam ID Number, if known
Extent of vertical drawdown (ft)		Impoundment design head (ft)	Number of adjacent or impacted property owners
Date drawdown would start (M/D/Y)		Date drawdown would stop (M/D/Y)	Rate of drawdown (ft/day)
Date refilling would start (M/D/Y)		Date refill would end (M/D/Y)	Rate of refill (ft/day)
Type of outlet discharge structure to be used		Impoundment area at design elevation (acres)	Sediment depth behind impoundment discharge structure
<input type="checkbox"/> surface <input type="checkbox"/> bottom <input type="checkbox"/> mid-depth			
<input type="checkbox"/> F. Microtopography			
Total size of the microtopography area: _____ acres.			
Area to be excavated shall be _____ percent of the total microtopography area.			
Total area to be excavated: _____ acres.			
Area to be in spoil (filled) shall be _____ percent of the total microtopography area			
Total Area to be filled _____ acres.			
▶ Construct approximately _____ excavations per acre.		▶ Construct approximately _____ spoil areas per acre.	
▶ Excavations will be between _____ and _____ square feet.		▶ Spoil areas shall be between _____ and _____ square feet.	
▶ Maximum excavation depth shall be 12 inches.		▶ Maximum spoil mound height shall be 12 inches above the seasonal high water table. All spoil mounds must meet the 3 wetland criteria.	
<input type="checkbox"/> G. Other Activities:			
Please provide a description of the activity and provide the dimensions and volumes if not included in items 10A-F			
11 Applicant's Certification. Read Carefully Before Signing			
I am applying for a permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in the application; that it is true and accurate; and, to the best of my knowledge, that it is in compliance with the State Coastal Zone Management Program. I understand that there are penalties for submitting false information and that any permit issued pursuant to this application may be revoked if information on this application is untrue. I certify that I have the authority to undertake the activities proposed in this application. By signing this application, I agree to allow representatives of the DEQ, USACE, and/or their agents or contractors to enter upon said property in order to inspect the proposed activity site before and during construction and after the completion of the project. I understand that I must obtain all other necessary local, county, state, or federal permits and that the granting of other permits by local, county, state, or federal agencies does not release me from the requirements of obtaining the permit requested herein before commencing the activity. I understand that the payment of the application fee does not guarantee the issuance of a permit.			
<input type="checkbox"/> Property Owner	Printed Name	Signature	Date
<input type="checkbox"/> Agent/Contractor			
<input type="checkbox"/> Corp. or Public Agency/Title			

12 Project Maps, Drawings, and Fees

All Drawings Should:

- ☐ Be black and white, legible, reproducible, and sized to 8.5" x 11". If larger drawings or blue prints are necessary to show adequate detail for review, please submit two full size copies in addition to the 8.5" x 11" drawings.
- ☐ Contain the following information: applicant's name, proposed activity, county, town, range and section, drawing number and number in set (i.e., drawing 1 of 4), and date prepared.
- ☐ Contain a north arrow and be drawn to scale or contain dimensions, lengths, and widths of the proposed activities.

Required Maps and Drawings:

☐ **Detailed Vicinity Map** that clearly identifies your project location. Draw a map, copy a plat map or a county map. The map must show the exact location of the proposed project including area roads and intersections. Please keep in mind that WRD field staff must be able to find the exact location of the proposed activities based on this information. Do not assume that review staff knows your project location.

☐ **Overall Project Site Plan** showing existing conditions (i.e., property boundaries, streams, wetlands, ditches, ponds, and other water features on the applicant's property) and all proposed activities. Many wetland restoration projects involve multiple activities requiring detailed information that cannot be captured in one drawing or illustration. As such, an overall project site plan should be submitted that shows the entire property and the general location of all proposed activities. Separate plan view drawings should be submitted for individual activities or basins as necessary. The individual plan view drawing(s) should include all the required dimensions, property lines, and water features as detailed above.

The submittal of color or black and white aerial photographs with GIS generated images are very helpful and encouraged. However, they are not acceptable as project site plans because they are not legible after photocopying.

☐ **Cross Sectional Drawings** of all proposed activities (e.g., berm/dike(s), ditch plugs, pushout(s), wetland borrow areas, etc.) The drawings should be to scale or with dimensions, length, width, height, etc.

Filing Fee and Submitting the Application Package:

☐ Submit a completed Credit Card Transaction/Electronic Check Transfer Authorization Form, (available at http://www.michigan.gov/deq/0,4561,7-135-3313_3687-292415--,00.html) check or money order made payable to the State of Michigan.

Applications that involve a project where a pre-application inspection has been conducted by the Department of Environmental Quality (DEQ) Wetland Restoration Coordinator should be sent directly to the DEQ Wetland Restoration Coordinator at Water Resources Division (WRD), P.O. Box 30458, Lansing, Michigan 48909-7958.

All other applications should be sent directly to the appropriate field office. Refer to http://www.michigan.gov/deq/0,4561,7-135-3313_3687-292415--,00.html "who to contact" for addresses and/or phone numbers.

13 Additional Information

Wetland Restoration Permit Application Instructions and sample drawings available at: http://www.michigan.gov/documents/deq/wrd-wetland-restoration-permit-application-instructions_407778_7.pdf